

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Sung Uk MOON, et al.

SERIAL NO: 10/661,602

GAU: 2611

FILED: September 15, 2003

EXAMINER: V. S. PANWALKAR

FOR: MODULATION AND DEMODULATION BASED ON HIERARCHICAL MODULATION

**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97**

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

**REFERENCES**

- ☒ The applicant(s) wish to make of record the reference(s) cited in the attached European Search Report and listed on the attached form PTO-1449. Copies of the listed reference(s) are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language reference(s).
- ☐ Online credit card payment is being made in the amount required under 37 CFR §1.17(p).

**RELATED CASES**

- ☐ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ Online credit card payment is being made in the amount required under 37 CFR §1.17(p).

**CERTIFICATION**

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

**DEPOSIT ACCOUNT**

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.



Bradley D. Lytle

Registration No. 40,073

Joseph Scafetta, Jr.  
Registration No. 26,803

Customer Number

**22850**

Tel. (703) 413-3000  
Fax. (703) 413-2220  
(OSMMN 05/03)

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 242752US8		SERIAL NO. 10/661,602	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Sung Uk MOON, et al.			
				FILING DATE September 15, 2003		GROUP 2611	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
N.P./	AA	6,301,558 B1	10/09/2001	Masaaki ISOZAKI			
N.P./	AB	2002/0126698 A1	09/12/2002	Sachin G. DESHPANDE			
N.P./	AC	6,337,881 B1	01/08/2002	Navin CHADDHA			
	AD						
	AE						
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	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	AO	EP 0 673 131 A2	09/20/1995	EUROPE			
	AP						
	AQ						
	AR						
	AS						
	AT						
	AU						
	AV						
<b>OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
N.P./	AW	Yiyan WU, et al., "Comparison of Terrestrial DTV Transmission Systems: The ATSC 8-VSB, the DVB-T COFDM, and the ISDB-T BST-OFDM", IEEE TRANSACTIONS ON BROADCASTING, XP-11006128, Vol. 46, No. 2, June 2000, Pages 101-113					
N.P./	AX	Chris NOKES, et al., "POTENTIAL BENEFITS OF HIERARCHICAL MODES OF THE DVB-T SPECIFICATION", XP-6500685, IEE, March 16, 1999, Pages 10/1 - 10/4					
	AY						
	AZ						<input type="checkbox"/> Additional References sheet(s) attached
Examiner				Date Considered			
/Vineeta Panwalkar/				06/24/2009			
<small>*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>							